



THE CHANGING TIDE

Volume 8, Issue 2

United States Sailing Association



recognizes efforts in Clean Boating

On Friday, January 30, **Peter Douglas** and the **California Coastal Commission** were honored by the United States Sailing Association. "Peter and the California Coastal Commission have done a magnificent job preserving access to the state's coast," said US SAILING President Janet Baxter who presented the award.

The recognition plaque from US SAILING thanks "Peter Douglas and the California Coastal Commission's 31 years of outstanding public service; preserving California's coastline, providing public access to California's waterways, developing marine environmental education and supporting community sailing."

Peter Douglas co-authored Proposition 20, the California Coastal Initiative passed by voters in 1972. From its inception, Peter has had a guiding hand in the Commission. In 1985, Peter was named the Commission's Executive Director. *continued on back*

Two New Resources on

Nontoxic Antifouling Strategies

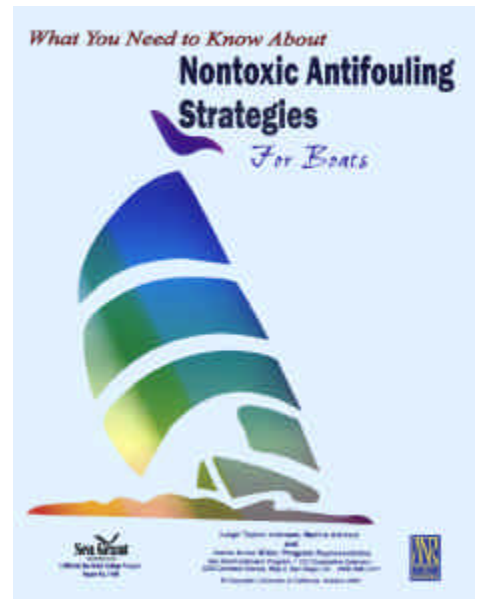
Two booklets on Nontoxic Antifouling Strategies are available from the University of California Sea Grant Extension Program in San Diego.

What You Need to Know about Nontoxic Antifouling Strategies for Boats explains how copper from antifouling paints harms marine life, how boat bottom paints are being regulated in Europe and what is coming in California, application and maintenance of nontoxic bottom paints, and provides a list of nontoxic bottom paints and other antifouling strategies that were available in summer 2002.

Making Dollars and Sense of Nontoxic Antifouling Strategies for Boats explains cost and technical factors to consider in deciding whether to switch to nontoxic bottom paints and includes a worksheet for comparing costs of copper-based and nontoxic paints. It also explains results of a 2002 UC study of incentives for boaters to use nontoxic boat bottom paints.

UC Sea Grant Extension Program conducted an educational field demonstration of nontoxic boat

bottom paints in 2002-2003. A booklet on the results will be available later in 2004, called *Staying Afloat with Nontoxic Antifouling Strategies for Boats*.



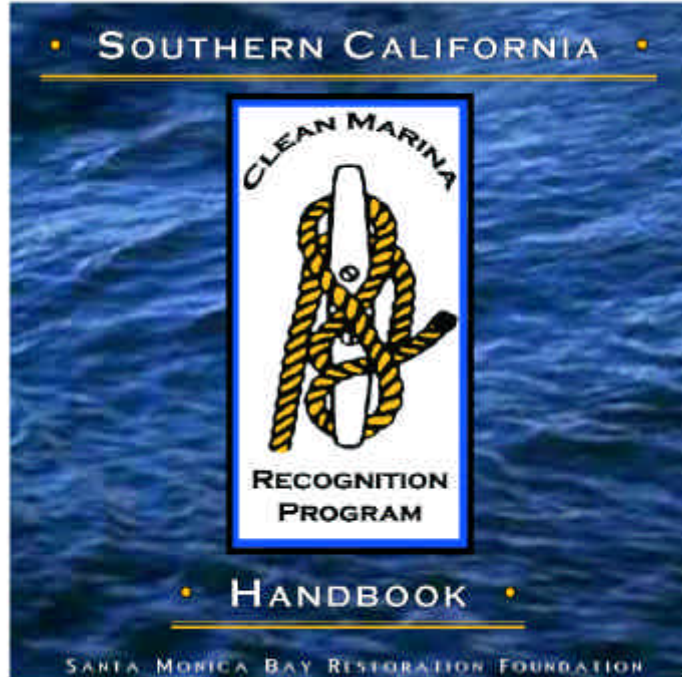
To request free, single copies of either booklet or to be on the mailing list for notices of future publications and events, email Leigh Johnson at

ljohnson@ucdavis.edu and provide your postal mailing address. For more information from UC Sea Grant on boat pollution prevention information, visit <http://seagrants.ucdavis.edu>



A California Clean Boating Network Publication
Presented by the
Santa Monica Bay Restoration Foundation,
California Coastal Commission, Save Our Shores
and the Community Environmental Council
in cooperation with the
California Department of Boating and Waterways
and the California Integrated Waste Management Board

Southern California Chapter *Los Angeles, Orange, Riverside, Ventura & San Bernardino Counties*



NEW

SOUTHERN CALIFORNIA CLEAN MARINA RECOGNITION PROGRAM HANDBOOK!

This new handbook offers tips and recommended management practices pertaining to marina management for marina operators and concerned boat owners. The handbook is divided into sections that focus on:

- ⚓ Sewage Disposal
- ⚓ Vessel Maintenance & Repair
- ⚓ Solid Waste Management, Stormwater
- ⚓ Oil & Other Hazardous Waste
- ⚓ Marina Management & Safety/Emergency Planning

For a copy of the Handbook or for more information, contact Grace Lee at **213/576-6648** or by email at glee@rb4.swrcb.ca.gov

THANK YOU! to all the marinas that worked with the Santa Monica Bay Restoration Foundation (SMBRF) and participated in the Southern California Clean Marina Recognition Program.

During the last few months, nine marinas in Los Angeles and Ventura Counties participated in the Southern California Clean Marina Recognition Program (SCCMRP). SMBRF staff visited each marina, filled out self-assessment checklists, toured the facilities, and interviewed the marina operator about their pollution prevention obstacles and solutions. Each marina implemented innovative pollution prevention practices that addressed their unique pollution issues.

For detailed pollution prevention practices from these marinas, continue reading on the facing page.



LIST OF PARTICIPATING MARINAS:

Transient Docks, Channel Islands Harbor
Small Boat Marina, Channel Islands Harbor
Commercial Fishing Marina, Channel Islands Harbor
Pier 44, Marina del Rey
California Yacht Marina, Wilmington
Port Royal Marina, Redondo Beach
Santa Monica Yacht Club, Marina del Rey
Cabrillo Marina, San Pedro
Lighthouse Landing Marina, Wilmington

Southern California Chapter *Los Angeles, Orange, Riverside, Ventura & San Bernardino Counties*

EXAMPLES OF POLLUTION PREVENTION PRACTICES HAPPENING NEAR YOU!

At the **CHANNEL ISLANDS HARBOR (TRANSIENT DOCKS, SMALL BOAT MARINA, AND COMMERCIAL FISHING MARINA)**, the Ventura County Harbor Patrol implements an extensive list of programs that help keep Ventura County waters pristine. *Here are some examples:*

- ⚓ Run a Dye Tablet Program to monitor possible illegal dumping of sewage into marina waters
- ⚓ Manage a Live Aboard Checklist Program to monitor any possible illegal live-aboards in the harbor.
- ⚓ Prohibit the use of bleach during vessel maintenance
- ⚓ Prohibit automobile detailers in marina parking lots
- ⚓ Install absorbent socks in all catch basins
- ⚓ Request waste disposal plans for all businesses that work in the harbor
- ⚓ Adhere to the Ventura County Harbor Patrol tenet of education based enforcement



At the **SANTA MONICA YACHT CLUB**, Harbormaster Tony Nash and his staff keep extension pole nets at each dock so that tenants can scoop up floating debris. Staff also reuse old paint for graffiti abatement, install oil socks in stormdrain boxes, and prohibit the discharge of treated and untreated sewage into the marina waters as a strict environmental policy

specified within the slip rental agreement.

Just down the road, sits **PIER 44 MARINA** where the management is taking charge of their environmental operations. Rental agreements prohibit discharge of any sewage with eviction as the penalty. Pier 44 also requires live aboards to contract with a mobile pumpout service on a regular and adequate basis, reserve live aboard slips closer to shore side restrooms, and directs live aboards to the closest pumpout stations.

CALIFORNIA YACHT MARINA (WILMINGTON, REDONDO BEACH, SAN PEDRO)

California Yacht Marina (Wilmington) recently acquired

Clean Vessel Act grant money from the Department of Boating and Waterways to install a sewage pumpout and dumpstation for port-a-potties.

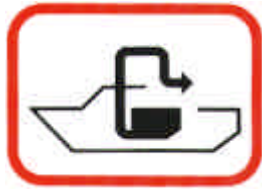
Port Royal Marina (Redondo Beach) addresses pollution prevention needs by actively distributing "Clean Boating" kits to their patrons.

Cabrillo Marina (San Pedro) addresses sewage needs of live aboards by making portable sewage pumpout services available to patrons as well as providing a list of mobile disposal services to their boaters. Cabrillo Marina also recycles oil, plastic, glass, and aluminum; stencils stormdrains; and holds regular trainings to inform staff about the marina's environmental policies. Training topics include: the proper way to handle equipment and chemicals, spill response procedures,

and how to identify and watch for inappropriate discharges. To ensure that their patrons and staff keep up with clean boating, Cabrillo Marina hosts workshops to highlight and demonstrate environmentally sound boating practices. Landscapers are responsible for removing trash found on the marina grounds, which includes any area up to the waterline.



LIGHTHOUSE LANDING MARINA is a quaint marina located in Wilmington. Part of their pollution prevention plan is to restrict in-water boat maintenance to activities that have no or minimal pollution impact to the waterway. Landscaping is used along the waterline to keep stormwater from draining directly into the marina waters. There is also a bulletin board located at the Lighthouse Landing Marina office for boaters to post clean boating services such as recycling, boat engine maintenance, and oil change services. To ensure that boaters keep to their green word, all environmental policies are highlighted in the lease agreement.



For more information about these pollution prevention practices, contact the individual marinas or Grace Lee at **213/576-6648** or by email at **glee@rb4.swrcb.ca.gov**

SAN MATEO, SANTA CRUZ, MONTEREY, SAN LUIS OBISPO & SANTA BARBARA COUNTIES

The “Hawaiian Chieftain” First to Use Santa Cruz Harbor Bilge Pump-out Station

Despite the cold, wet, wintry day, the tall ship “Hawaiian Chieftain” pulled up to the fuel dock at the Santa Cruz Small Craft Harbor to pump out its bilge on Friday December 19, 2003. The 103 foot steel-hulled rigger is the first commercial vessel to use the new bilge pump-out station, which was inaugurated in the spring of 2003.

The Chieftain is home-ported in Sausalito and conducts charters and educational sailing tours for the public up and down the coast of California. Her next stop will be in Marina Del Rey for a winter tour.

The pump-out facility, designed and installed by EMP Industries, consists of a modular pump-out and processing system, a centrifugal oil-water separator, and a final polish and discharge module. The effluent, after final filtering, is fed directly into the City’s waste water treatment system.

The Chieftain’s pump-out process took a little over a half an hour, emptying approximately 11 gallons of very oily bilge water from three separate bilge holds. Captain Micah Allnutt said, “I’m grateful to have a facility like this to empty the ship’s

bilges, especially at no cost.” His engineer added, “Makes my job a heck of a lot easier.”

There is no charge to use the pump-out station for oily bilge water. However, a modest fee of \$4 is charged for any “hot loads” – bilge water that contains any kind of fuel or solvents – as they are not allowed to be discharged directly to the City’s waste water system.



The pump-out facility is frequently used during harbor dredging operations by the Port District’s dredge and tug. Harbor staff hopes that more boaters, including recreational users and commercial fishermen, will also begin to use the facility during the upcoming boating season.

For more information on the Santa Cruz Harbor Bilge Pump-out Station, please contact Alan Romero, Save Our Shores Clean Water Program Director, at (831) 462-5660 or Ron Duncan, Santa Cruz Harbor Maintenance/Dredge Coordinator, at (831) 457-8222.



Funded by a grant from the California Integrated Waste Management Board

Central Coast Bilge Pump-out Locations

Pillar Point Harbor

(650) 726-5727
1 Johnson Pier,
Half Moon Bay, CA
Coordinates: 37 01'00" North and
122 29'00" West

Santa Cruz Harbor

(831) 475-6161
135 5th Ave
Santa Cruz, CA
Coordinates: 36 57'83" North and
122 00'114" West

Moss Landing Harbor

(831) 633-2461
Monterey, CA
Coordinates: 36 47'9" North and
12 48'1" West

Breakwater Cove Marina

32 Cannery Row
Monterey, CA
(831) 373-7857
Coordinates: 36 36'00" North and
21 51'30" West

Morro Bay Harbor

1275 Embarcadero
Morro Bay, CA
(805) 772-6258
Location: at end of South T Pier,
between markers 8 and 10

Port San Luis Harbor

P.O. Box 249, Pier #3,
Avila Beach, CA
(805) 595-5400
Location: at end of Harford Pier at
the fueling station

Santa Barbara Harbor

125 Harbor Way
Santa Barbara, CA
(805) 564-5531
Location: at end of Navy Pier at
the fueling station

Call 1-800-CLEANUP for more information.

SAN MATEO, SANTA CRUZ, MONTEREY, SAN LUIS OBISPO & SANTA BARBARA COUNTIES

Program Spotlight: Community Action Commission of Santa Barbara County

Rooted in Santa Barbara County for over 35 years, the Community Action Commission (CAC) provides opportunities and resources to help people help themselves and others, thereby strengthening the community.

Specifically focusing on low-income residents, CAC hosts a variety of programs including: Family and Youth Services, Nutrition Services, Children Services, and Environmental Services. These programs offer assistance in the form of education, employment opportunities, mentoring, funding, and resources like energy conservation devices and pollution prevention materials.



Dale Yates (left) of CAC's Environmental Services Dept. offers a clean boating kit.

Among its many goals, CAC's Environmental Services Department strives to prevent pollution in Santa Barbara's primary drinking water supply, Lake Cachuma. With over 26,000 annual boaters, most of them visitors, Lake Cachuma experiences heavy usage. Realizing that every use of a waterway creates some impact (whether intentionally or not), CAC strives to educate boaters about best practices for clean, "green" boating.

Recently, CAC initiated a free absorbent pad exchange program, in which boaters can obtain free absorbent pads for use in preventing oil spills and leaks. The pads are stored in a weather-proof shed at the lake and are distributed in boater kits. Once saturated, the pads are then col-

lected in onsite receptacles and sent for recycling.

In addition to promoting proper used oil management, CAC also educates boaters about the benefits of using four-stroke, rather than two-stroke, engines for outboard motors. According to CAC four-stroke engines are 50 percent more fuel efficient and times cleaner in burning fuel.

Alternatively, outdated and poorly maintained two-stroke outboard motors can dump as much as 30 percent of their unburned oil and gas directly into waterways. CAC has been successful in working with Lake Cachuma's private marina operator to outfit all rental boats with four-stroke engines.

For information about replacing your current two-stroke engine or about CAC's clean boating program, please call Dale Yates at (805) 964-8857 ext. 134, or e-mail dyates@cacsb.com.

New Re-Refined Oil Workshops in 2004

Save Our Shores, through a grant from the California Integrated Waste Management Board, will conduct four panel workshops this year to educate the boating community on the use of re-refined, or "blended," motor oil. Tentative guest panelists include representatives from the American Petroleum Institute (API), oil refinery operators, retail boat dealers, re-refined oil blenders, and marine outboard manufacturers.

The workshops will focus on:

- Uncovering the myths regarding the use of re-refined motor oil
- The importance of reducing our dependence on foreign and domestic virgin oil
- The benefits to the marine environment.

Technical data will be presented to support the reliability and applicability of blended motor oil as well as the economic feasibility and achievable cost savings of using blended motor oil.

The workshops will be held at the four harbors located within the Monterey Bay National Marine Sanctuary: Monterey, Moss Landing, Santa Cruz, and Pillar Point harbors. The first two workshops will be conducted at the beginning of the 2004 recreational boating season, and the latter two will be held toward the end of the season.

Look for more information on these workshops by visiting www.saveourshores.org or by contacting Alan Romero, Clean Water Program Director, at (831) 462-5660 or via e-mail at aromero@saveourshores.org.

CAC's Clean Boating Tips

- Properly recycle used oil and filters using safe containers (e.g. free "transporter" containers provided by CAC).
- Use a containment mat when maintaining vehicles and boat engines to avoid contaminating the area with oil or other toxic fluids.
- Use a funnel when fueling to prevent spills.
- Use oil absorbent pads under the fuel supply or inboard crank case to catch leaks.

Destination Series

Visit the Bass Capital of the West: Clear Lake

Clear Lake (Lake County) is a large (177 km²) lake in the Central Coast Range of Northern California. It sits at about 404 m elevation. US Geological sediment core samples from the lake bottom show that it is a very old lake dating back 1.6 million years.

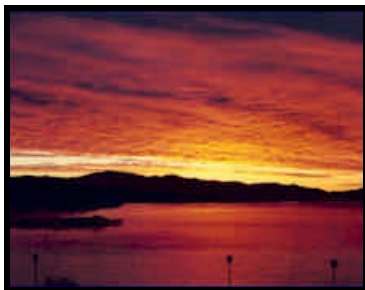
With a vast watershed, relatively shallow depth, and Mediterranean climate, the lake is paradise for fish and wildlife. This combination of circumstances makes Clear Lake's water warm and very productive, or eutrophic. Clear Lake's high productivity provides abundant food for fish and wildlife. The expansive warm water of Clear Lake makes it ideal for recreation, including swimming, water skiing, sailing and boating.

The Lake is known as the "Bass Capital of the West" supporting large populations of bass, crappie, bluegill, carp and catfish. Two-thirds of the fish caught in Clear Lake are large mouth bass, with a record of 17.52 pounds!

In addition to fish, there is abundant wildlife within the lake basin. There are year-round populations of ducks, pelicans, grebes, blue herons, egrets, osprey, and a winter population of bald eagles. This Basin also supports abundant populations of deer, bear, mountain lion, raccoon and other animals.



Map Source by: www.bassfishinclearlake.com/map.html



Photos by: www.clearlake.ca.us



Clear Lake Resorts and Marinas*

Konocti Harbor Resort and Marina (707) 279-4281

Facilities: Boat launch ramp, docking (slips) and fuel pump.

Rentals: Boat rentals, ski accessories.

Amenities: Hotel, cottages, conference facilities, pools, tennis, grocery store.

Environmental Services: Used oil collection facility, distribution and collection of oil absorbent pads on an emergency basis.

Holiday Harbor Marina and R. V. Park (707) 274-1136

Facilities: Boat launch ramp, docking (slips) and fuel pump.

Amenities: Showers, laundry, tent and RV sites.

Environmental Services: Distribution and collection of oil absorbent pads on an emergency basis.

Ferndale Resort & Marina (707) 279-4866

Facilities: Boat slips and fuel pump.

Rentals: Boat rentals.

Amenities: Motel units with kitchens, cable TV.

Fun Time R.V. Park (707) 994-6267

Facilities: Boat launch ramp, docking (slips) and fuel pump.

Amenities: Grocery store, tent and RV sites.

Lake Haven Motel (707) 998-0105

Facilities: Fish cleaning, boat launch ramp, fishing piers and docks.

Amenities: Cottages with TV.

Braitos Marina (800) 546-2746

Facilities: Dry and water storage, boat launch ramp and fuel pump.

Rentals: Boat rentals, ski accessories.

Amenities: Repair shop

Environmental Services: Sewage pumpout, distribution of oil absorbent pads on an emergency basis.

*For a complete list of Clear Lake Marinas visit our website at www.coastal.ca.gov/ccbn/ccbnidx.html

NEW The California Clean Marinas Toolkit



Photo By Miss Lindy

In March 2004, the California Coastal Commission will unveil the **NEW** California Clean Marinas Toolkit, a **FREE** publication that will be sent to every marina in California. The Toolkit is a non-regulatory publication designed to provide marina operators with useful resources and information for operating facilities that are clean and environmentally sound.

This publication is the result of extensive public comment and review and the assistance of the California Clean Marinas Advisory Committee, which includes representatives of the major California marina and boating trade organizations and operators of a diverse group of marinas state-wide. It is intended to assist marina operators in implementing clean marina practices. Most of the recommended practices in the Toolkit focus on educating staff and boaters implementing environmental policies for facility users, and providing services that support clean boating practices.

The Toolkit provides suggestions for how to minimize the release of the following pollutants from boats in the marina:

- Boat cleaning and maintenance products
- Oil and fuel products
- Sewage
- Greywater
- Hazardous waste
- Trash and marine debris
- Fish waste

It also addresses methods for reducing the impacts of boat operation on the marine ecosystem and storm-water pollution from parking lots and vegetated areas.

The Toolkit includes the following sections:

1. **The California Clean Marina Guidebook** - includes suggested practices for operating a clean marina.
2. **Educating Boaters at Your Marina** - includes a list of boater education resources and a CD Rom of educational materials that can be used to educate boaters.
3. **Environmental Success Stories at California Marinas** - a series of case studies of marinas that have already implemented many clean marina practices.
4. **Environmental Laws and Regulations** - a matrix of applicable laws and regulations designed to help assess environmental compliance.
5. **Environmental Impacts of Boats and Marinas** - a matrix of the impacts of pollutants associated with boating that will help marinas educate staff and boaters about the need to minimize pollutant discharges.
6. **A Self-Assessment Checklist for Marina Operators** - designed to assist marinas in identifying opportunities to implement better practices for protecting the marine environment.



Photo By Sara Denice

United States Sailing Association recognizes efforts in Clean Boating

The recognition award was presented at an outdoor event at the Olympic Circle Sailing Center (OCSC) in Berkeley, California. The 200 participants gathered for an afternoon of workshops and an evening of socializing. The crowd of sailors from across the United States warmly welcomed and thanked Douglas for his work at the California Coastal Commission.

“When more people get on the water we get more stewards to save the coast and ocean - a job that is never finished, but always is being done,” commented Peter Douglas.

“The California Coastal Commission set a high standard



Photo ID -- L to R: Rich Jepson (co-owner, OCSC Sailing School in Berkeley, CA), Peter Douglas (Executive Director, California Coastal Commission), David Lumian (Fleet Captain, Fairwind Yacht Club in Marina del Rey, CA), Janet Baxter (President, US SAILING), James Muldoon (Vice President, US SAILING).

for other states to follow,” commented James Muldoon, US SAILING Vice President of Government Relations. “Peter’s vision to protect the coast, improve water quality, and expand community sailing programs is

dynamic. I am thrilled to spread the good news from California.”

“Peter Douglas is a trusted and valuable friend to community sailing programs,” said Fairwind Yacht Club Fleet Captain David Lumian. “The free slips that the California Coastal Commission helped us obtain saved our sailing club from extinction.

I am excited at the prospect of expanding affordable access sailing to more people, especially ‘at risk’ children.”

For more information please contact David Lumian at dlumian@aol.com



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